

AEE TECHNOLOGY



Recording Equipment • Unmanned Aircraft System





S70 Training Manual



S70



Wi-Fi remote control



APP Application

- Advanced built-in Wi-Fi
- 1080P/960P/720P HD Recording
- View Angle: 170°
- 16MP/10FPS Burst
- 10X Digital Zoom
- G-sensor: Auto Start & Stop
- 100m Waterproof Case
- 64GB Micro SD Capacity
- Intelligent APP
- 1500mAh Polymer Li-battery
- Various Mounting Hardware

Appearance Overview



S70 Host



S70 with Waterproof Case

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Sale Tips



1.1 Smaller Volume, Larger Screen

- Smaller body, $\frac{1}{4}$ thinner than the second generation, only **23mm**(excluding screen), **85g**
- More professional installation solution, providing more than 160 professional accessories for wider application.



1.1 Smaller Volume, Larger Screen

With larger TFT and segment screen, it displays more clear image in a more humanized way.

◆ 2" TFT true color screen, with 960x240 resolution, providing more clear image in preview and playback.

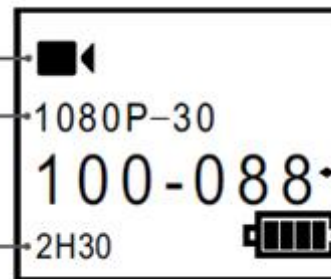
◆ 90×64mm large FSTN lattice screen, displaying the available space of SD card, remaining video-recording time and number of remaining photos in a more humanized way.

larger screen

Working Status: Video Recording

Recording Resolution

Remaining Video
Recording Time



more humanized

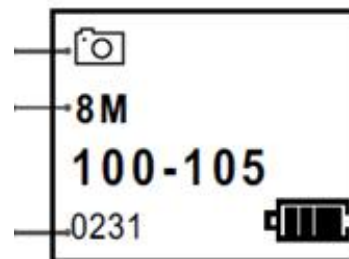
Number of Generated Files

Battery Level

Working Status: Photo Taking

Photo Resolution

Number of Remaining Photos

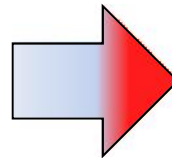


Number of Generated Photos

Battery Level

1.2 More Humanized Display Mode

S51



S70



User interface was upgraded from “subtitles-only” to “icons + subtitles” in a more humanized way.

1.3 More Convenient Wi-Fi Extension

Built-in Wi-Fi module, enables connection between S70 and Android/iOS smart phones/tablets or Wi-Fi remote control for remote control and playback of S70.

Available functions: recording video, taking photos, photo burst, image 180° turnover, setting preferences, preview & playback, downloading/uploading videos to website, sending email, editing video, etc. Wi-Fi remote control distance reaches 100m.

- ◆ Adopting IEEE 802.11n WTP, transmission rate is up to 150Mbps, that is 18.75M/S data transmission.
- ◆ Compatible with the most commonly used smart phones and tablets in the market.
- ◆ Less than 0.6s A/V transmission delay.



Built-in Wi-Fi

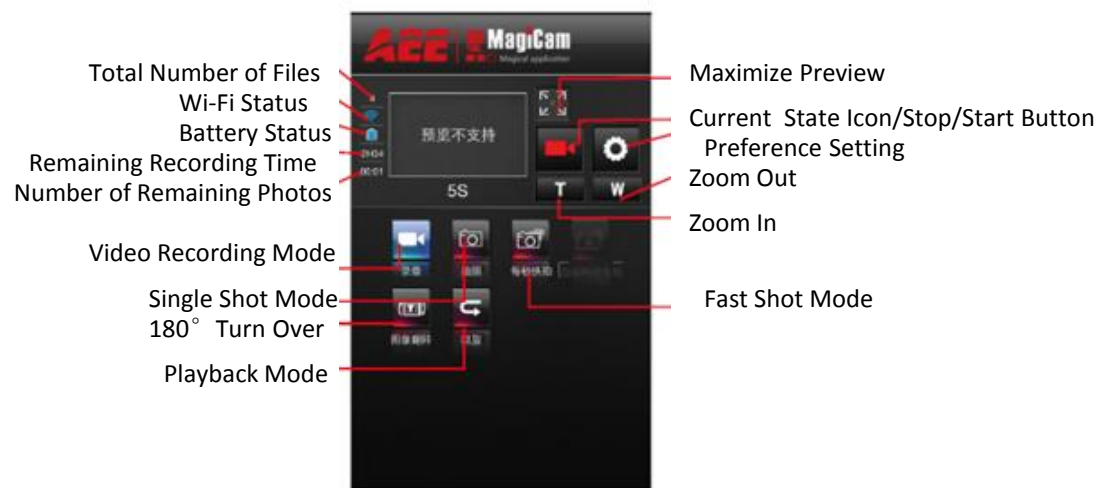
1.3 More Convenient Wi-Fi Extension

1.3.1 Operation - Wi-Fi Connection

- ◆ Firstly please install the AEE APP on your mobile devices. You can see the icon  on your devices if the APP is successfully installed.
- ◆ Open S70 and activate Wi-Fi.
- ◆ Open Wi-Fi on your mobile devices to search for the wireless source named “AEE Magicam.” Select the source and connect to the S70. (Default pass word is: AEE12345)
- ◆ Then hit the APP icon  on your mobile devices, you can see the interface turns to  . Hit the arrow to enter the Wi-Fi control interface.



Wi-Fi Connection Interface

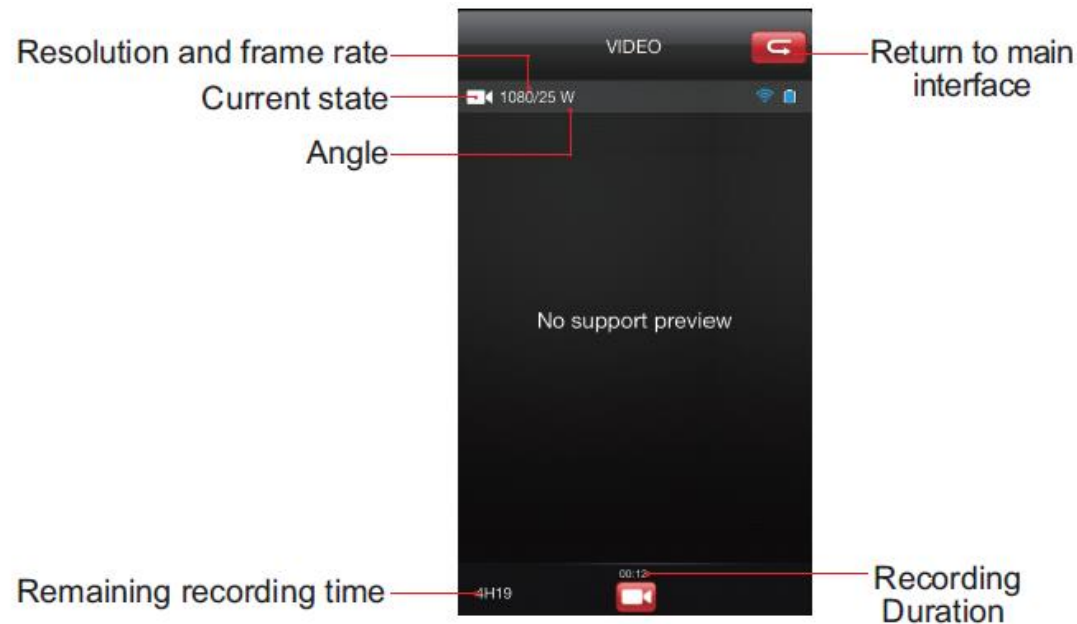


Wi-Fi Control Interface

1.3 More Convenient Wi-Fi Extension

1.3.2 Operation – Recording Video

Hit the icon , you will see that the “current state” icon turns to “recording”. Then hit the “current state” icon again, it will turn to  to start recording. You can then hit the “maximization preview” icon  to enter the full-screen display interface.



To stop the recording, hit the  again. To set the video recording resolution, hit the “Preferences” icon. Available settings: 1080p/(50/48/25/24f) ; 960p(48/50f);720p(100/50f).

1.3 More Convenient Wi-Fi Extension

1.3.3 Operation – Taking Photos

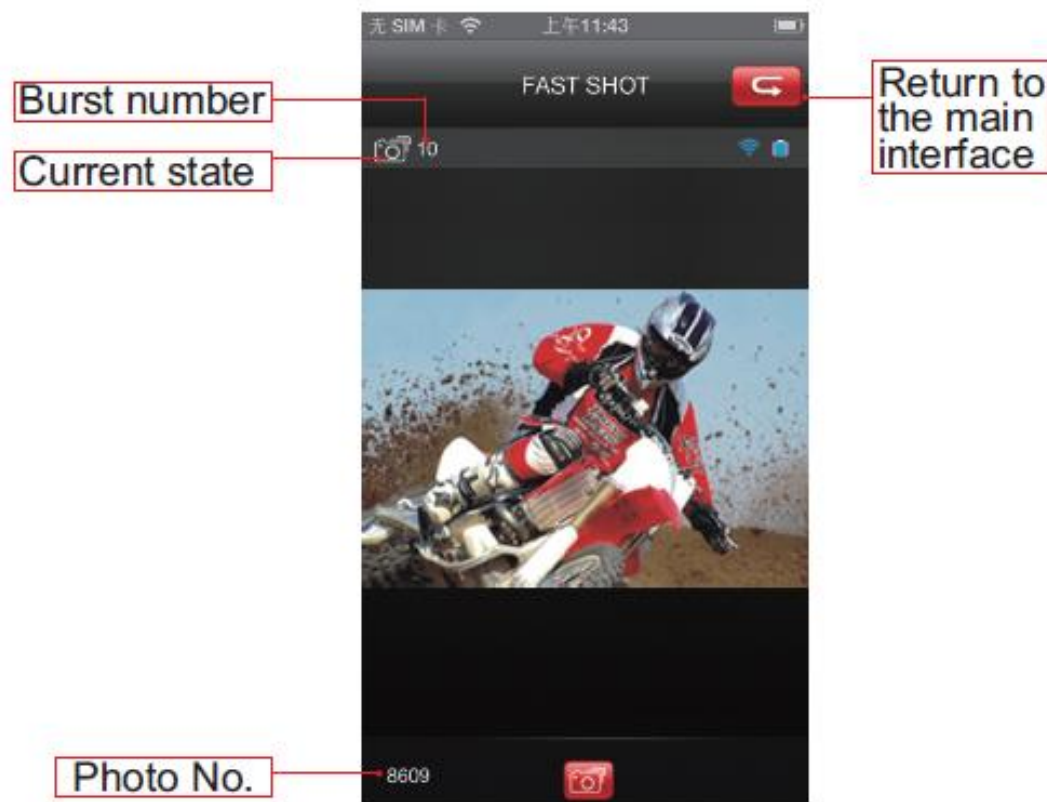
Hit the “photo taking” icon , it will turn to blue . The “current state” icon becomes . Hit the “maximization preview” icon  to enter the full-screen display interface.



1.3 More Convenient Wi-Fi Extension

1.3.4 Operation – Fast Shot

Hit the “Fast Shot” icon , it will turn to blue . And the “current state” icon becomes . Hit the “maximization preview” icon  to enter the full-screen display interface.



Note: You can set the number of the fast shot photo through “Preferences.”

1.3 More Convenient Wi-Fi Extension

1.3.5 Operation - Preview

Hit the icon  to enter the playback interface so as to view the recorded video and photos remotely.

(To replay specific photo or video)



Slide the icon "  ". If you select "Camera Storage", you can replay the files stored on the camera. If you select "Mobile Device Storage", you can replay the files downloaded from the camera to the mobile device.
Click the icon "  " to enter the App settings interface.
Click the icon "  " to return to the WiFi control interface.
Click the icon "  " to enter File selecting / Media sharing interface.
Click the icon "  " to download media files from the camera to your mobile device.
Click on the thumbnail to view it in large preview. You could slide left and right to select the desired file.



In the large preview mode:
Click the icon "  " to return to the thumbnail preview interface.
Click the icon "  " to share the current file to a social networking website or send it by E-mail.
Click the icon "  " to transfer and play the current file on a DMR device.
Click the icon "  " to download the current file to your mobile device.
Click the icon "  " to delete the current file.



Click the icon "  " to view the current file information.

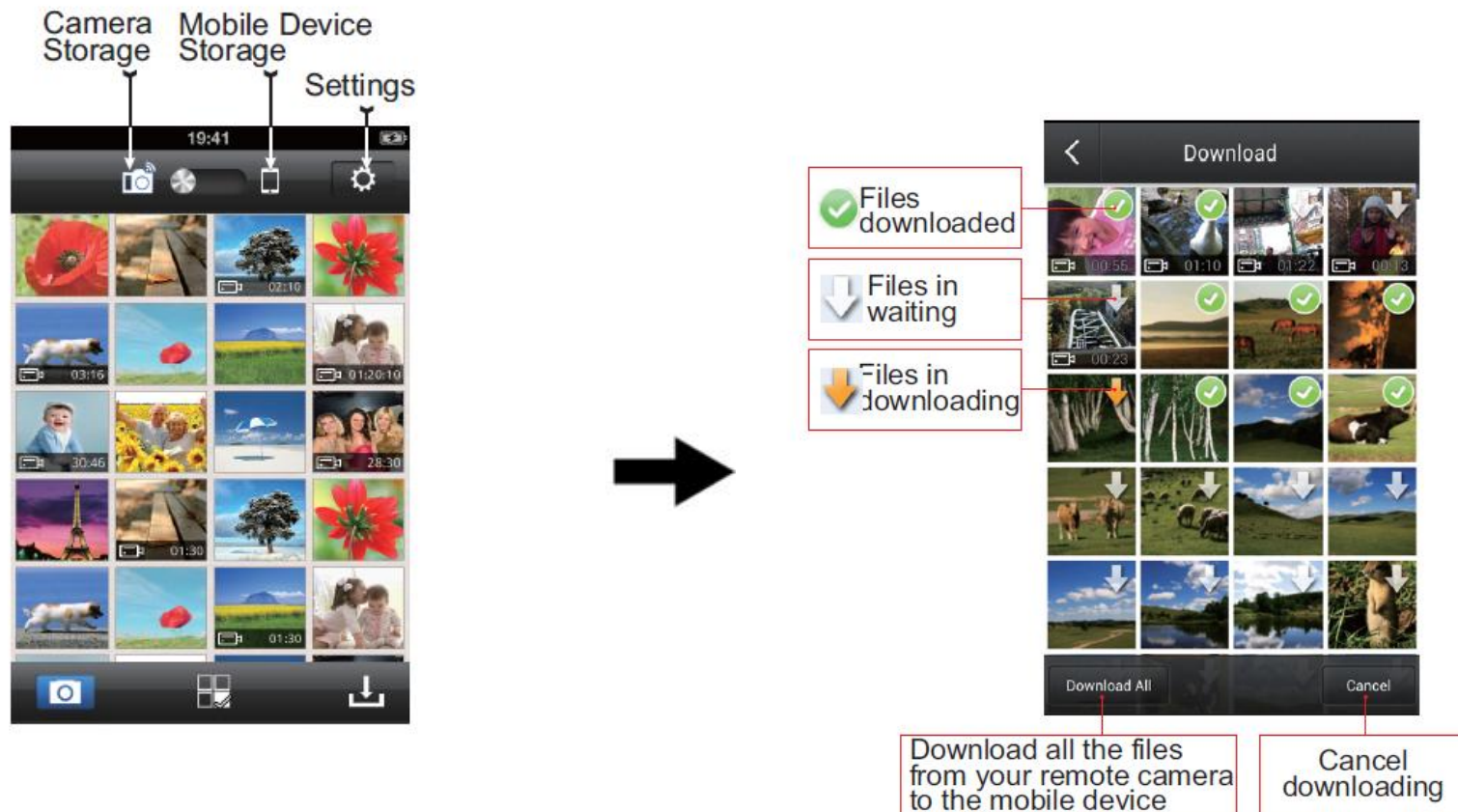
Click the icon "  " to enter the video trimming interface.

Note: please download it to the mobile device before editing any video file.

1.3 More Convenient Wi-Fi Extension

1.3.6 Operation – Remote Download

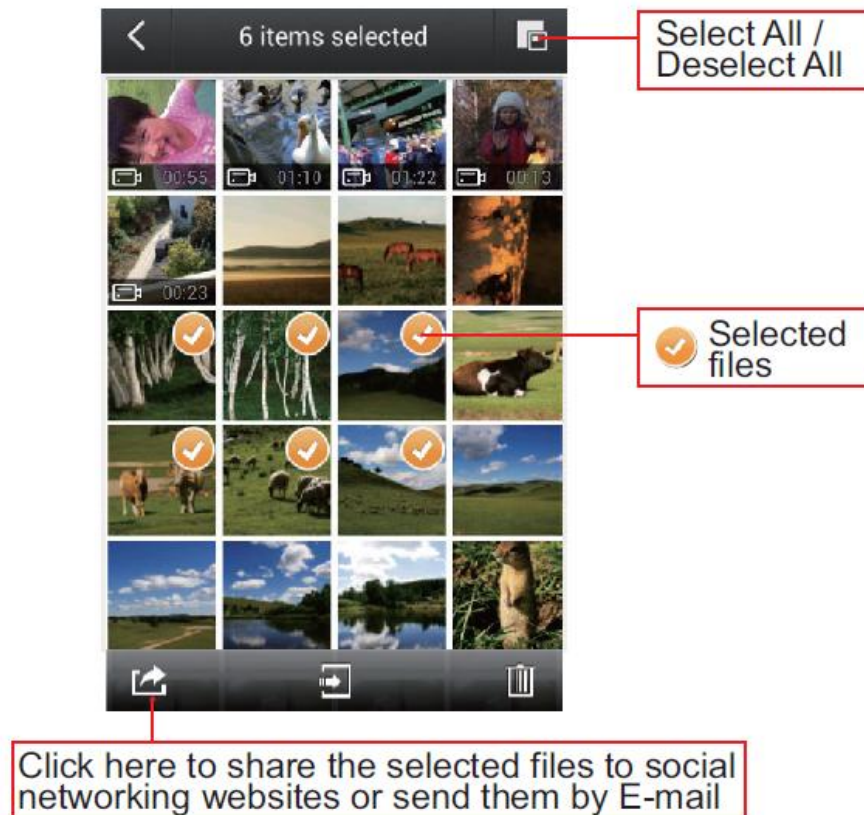
In the thumbnail interface, hit the icon  to enter the download interface. Select the files you want and download them to your mobile devices.



1.3 More Convenient Wi-Fi Extension

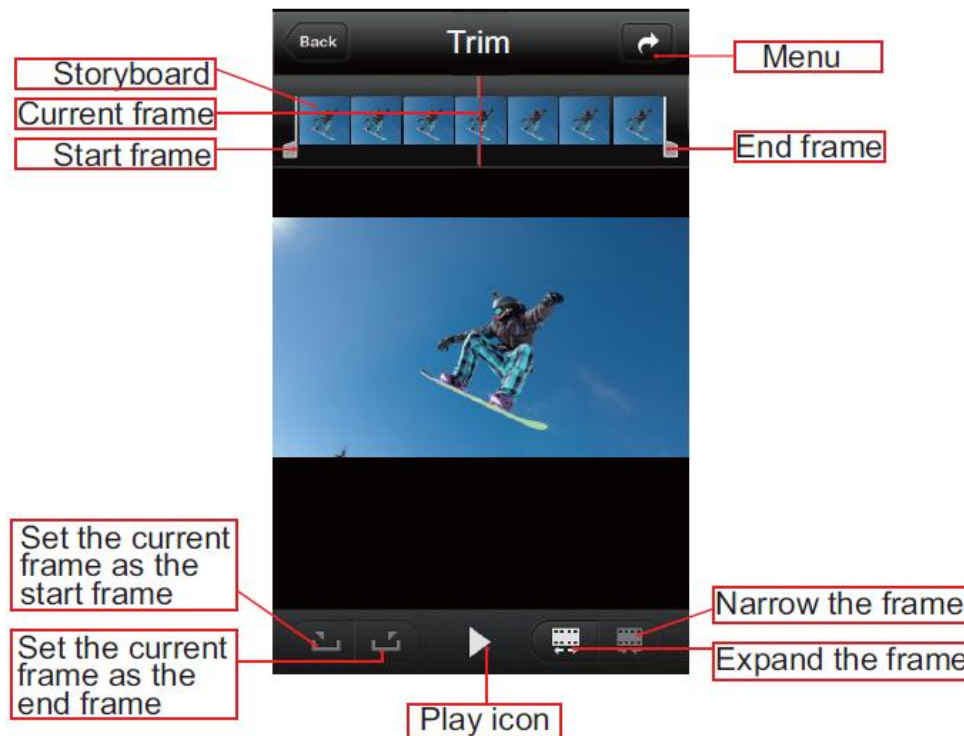
1.3.7 Operation – Remote Sharing

In the thumbnail interface, hit the icon  to view local documents. Hit the  icon to select the files you want to share and send them to Facebook, Twitter or emails.



1.3.8 Operation – Editing Video

After you download the videos to your mobile devices, you can edit them on your devices. Hit the icon  to enter the video editing interface.



* This function is available for iPhone only.

Note: Please confirm you have downloaded the videos to your mobile devices before editing.

1.4 More Powerful Wi-Fi Remote Control

Packaged with DRC10 Wi-Fi multi-functional remote control. Easily connected to S70 for remote control in zooming, recording video, taking photos and stopping recording.

- ◆ Distance of remote control reaches **100m (tested in open space without interruption)**
- ◆ Adopting FSTN lattice screen technology
- ◆ Owning functions of recording video, taking photos, stop recording, menu control and 4X zooming



1.5 HD Recording

170° ultra wide angle, EXMOR R CMOS sensor, wider recording FOV with more amazing effect. Supports wide, medium, narrow and small FOV in 1080P, 960P and 720P modes. Make you freely control the image.



1.6 Photo Burst

Continuous photo shot is at up to **10fps** speed to capture the splendid moments.

Photo burst: 3 photos/s, 6 photos/s, **10** photos/s

Photo Resolution: 16M(4608×3456); 12M(4000×3000); 8M(3200×2400)



1.7 Image 180° Turnover

Higher level of chip solution: when you turn the image 180° turnover function on, if the camcorder is mounted upside down, the recording video will still appear upright. It makes the operation more convenient and easier.



Image 180° Turnover

1.8 G-sensor

After opening G-sensor, the camcorder will automatically sense the gravity variation. It will automatically start recording on vibration, tilt, etc. It will start more accurately and record the real-time image especially when applied in fixed installation, such as car mount, helmet mount, etc. In this way, you don't need to open the recording function in advance, which saves you from manual operation. And in the meantime, it will help to save power. (It will stop recording if the camcorder doesn't sense the gravity variation in continuous 3 minutes.)



1.9 Recording Modes

PAL: 1080P/(50/48/25/24)fps, 960P/(50/48)fps, 720P/(100/50)fps

NTSL: 1080P/(60/48/30/24)fps, 960P/(60/48)fps, 720P/(120/60)fps



Low Frame Rate

Full HD
1920x1080



High Frame Rate

Videos will be automatically saved by segment. Adopting H.264 video codec technology, it will be saved in MOV format which can be directly uploaded to YouTube and other video websites.

When starting loop recording mode, the video will be saved in 15 minutes per segment. If the memory card is full, it will overwrite the first files, and then successively overwrite the other files by name.

Functions:

1. Default recording mode: 30 minutes per segment;
2. Loop recording mode: 15 minutes per segment;
3. H.264 HD digital codec technology.



1.11 RTC Function

Supports RTC function: accurately display date and time. It will auto display the time at bottom right when recording video or taking picture. Recording the present time makes it easy for you to find the video or picture files. And it can also be taken as safety proof.



Time Stamp

2013/07/31

15:15:35

1.12 Center-spot Metering Mode

Outstanding center-spot metering function: When the center spot is brighter, you can activate center-spot metering with one-click-start to record the clearest and smoothest image.



Center-spot Metering Mode

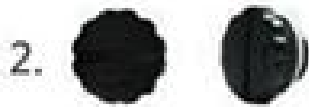
1.13 More Professional Waterproof Case

◆ Brand new professional waterproof case design: With IP68, the highest protection standard, waterproof depth reaches 100m. With various replaceable waterproof back covers and caps, it enables underwater audio recording. It can be also connected to external microphone, backup power, etc.

◆ With professional 3 slots plugging bracket, it's more reliable and stable.



IP66 protection standard waterproof plug



waterproof to 100m



Rain-proof, extendable microphone and power

waterproof plug

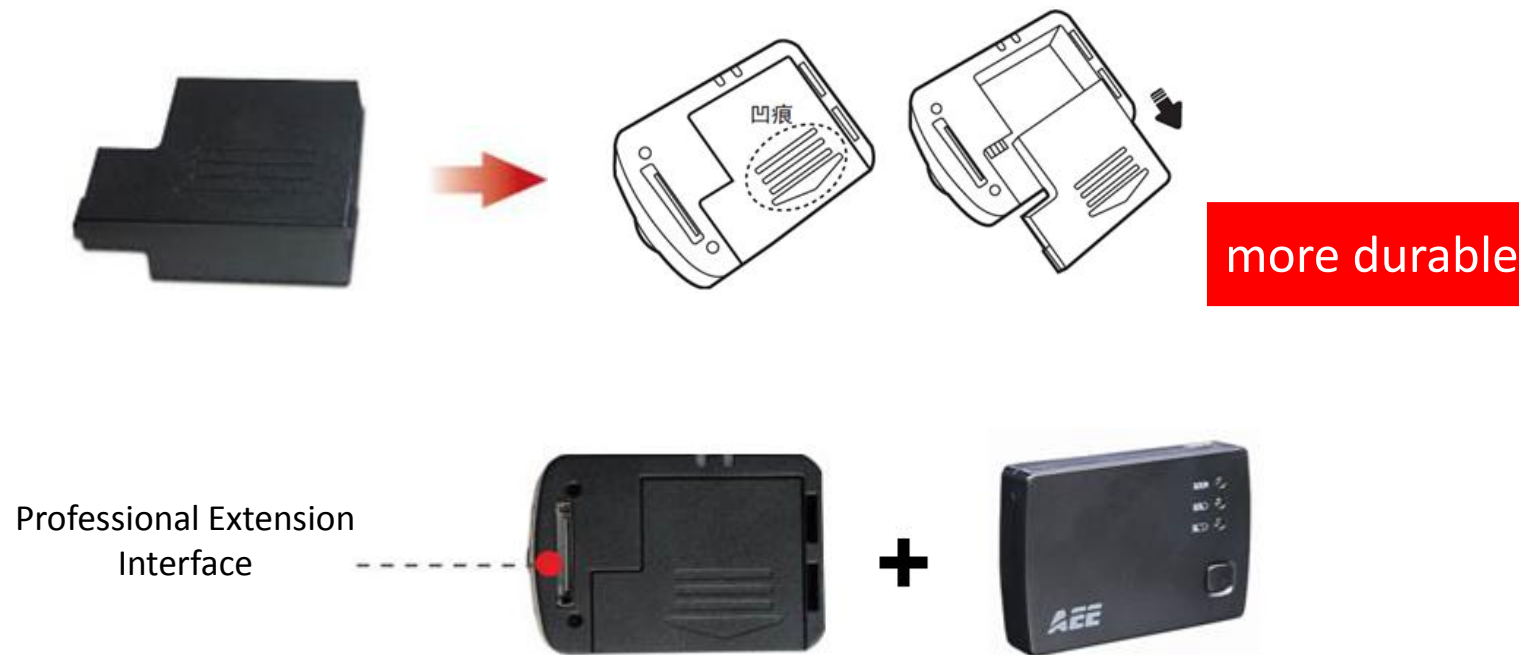


3 slots plugging bracket

1.14 1500mAh High-capacity Polymer Li-battery

Standard **1500mAh** high-capacity polymer li-battery: continuous video recording lasts **2** hours. Extendable backup battery: more durable and efficient.

- ◆ Snap-on design of battery compartment: more stable.
- ◆ Extendable battery design: adopting 30Pin professional expansion interface as Apple's, makes transmission more stable and installation more convenient.



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2.1 Standard Accessories



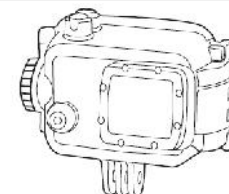
S51 Host



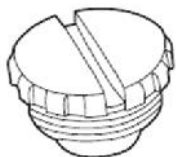
TFT Screen



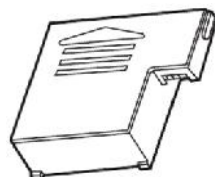
Remote Control (optional)



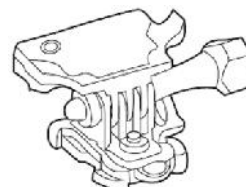
Waterproof Case



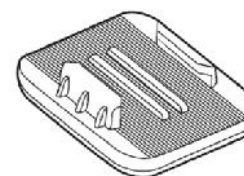
Waterproof Plug



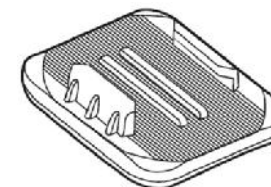
Li-Battery 1500mAh



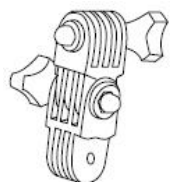
Holder



Flat 3M Sticker



Curved 3M Sticker



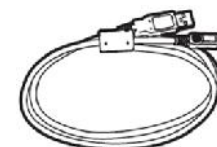
Turning accessory



Long screw



Waterproof Case Back Door
(with screen)



USB Cable



Anti-fog pad



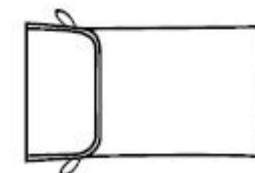
Hand strap



CD



User's Manual



Pouch

2.2 Application of Accessories

Back Clip



J05



2.2 Application of Accessories

Application of Plug Bracket

M08 Flat
Adhesive Mount



plug bracket unit



vertical and horizontal
swivoer mount



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3. Tech Specifications

Items	Description
Image Sensor	EXMOR R CMOS
View Angle	170°
WiFi	IEEE 802.11n
Battery	1500mAh Polymer Li-battery
Maximum Continuous Video Recording Time	2 hours(Maximum 750mA@3.7V)
Charging Duration	3 hours
Recording Modes	PAL: 1080P/(50/48/25/24)fps, 960P/(50/48)fps, 720P/(100/50)fps NTSL: 1080P/(60/48/30/24)fps, 960P/(60/48)fps, 720P/(120/60)fps
Video/Audio Formats	MOV (H.264) Video; WAV Audio
Photo Resolutions	8M(3200×2400)/12M(4000×3000)/16M(4608×3456)
Digital Zoom	10X Digital Zoom
Interface	Mini USB 2.0, Mini HDMI, Analog Audio Output/Input, 30Pin Expansion Interface
Distance of Remote Control	100m (Wi-Fi Mode, Max.)
Micro SD Card	Up to 64GB
Operation Humidity	15~85%RH
Storage Temperature	-20℃-60℃
Operation Temperature	-10℃-50℃
Dimensions	59mmX43mmX47mm(including TFT screen)

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4.1 Sale Tips

1. Cost-effective

- ◆ **23mm compact body.** You can shoot or record anywhere you go. Suppose the working life of the camera is 10 years, that is to say, you can enjoy the infinite recording fun with only spending less than 1 dollar per day.
- ◆ With more than 160 accessories, you can apply the camera to different occasion, from sky to ocean. It is a versatile and multi-functional action camera.

2. Full HD

- ◆ With 170° ultra wide angle, you can experience the amazing video in TV quality.
- ◆ With high-speed focus, unlimited recording, no smear and ghosting, it records clear and smooth video everywhere at anytime.
- ◆ It has strong ability of low light recording, ISO low light adjusting and contrast control, which make you record freely and to avoid the low light recording trouble.

3. Practical

- ◆ It has the best shockproof and waterproof effects in the action camera market.
- ◆ It is also a HD car DVR, which can be used to record the scenery of your journey. G-sensor will auto record the important moment to help you get out of the trouble if someone trying to find fault with your car on purpose.

4. Entertaining

- ◆ **Built-in Wi-Fi.** You can control the camera remotely by connecting it with smart phones or tablets. You can enjoy the limitless fun with the remote video downloading, remote video uploading, remote video editing features.
- ◆ With **time lapse** function to record fast movement.

4.2 Product Demonstration

Demonstration Standards	
Performance Display	Play the latest instructional video
WiFi Demonstration	Invite customer to connect S70 with his smart phone. Click the screen to show how it works. And then show how to use DRC10 Wi-Fi control.
Hands-free Design	1. Show how to use the camera as the catalogue says or demonstrate with display props or standard accessories 2. Show the intelligent display function of LCD screen 3. Take the waterproof case to show the waterproof, dustproof, shockproof, image stabilizer and crushproof functions
170° Ultra Wide Angle/Full HD	1. Connect the camera to TV, set the modes to show the recording angles 2. Take both S70 and mobile phone to compare their recording ranges
Photo Burst	Put the camera on the desktop, facing the crowd. Show 10FPS photo burst function with remote control
Time Lapse Recording	Show how it works
Image 180° Turnover	Show how it works by putting the camera upside down
G-sensor	Show how it works
Playback of Recorded Files	Show how it works

Thank You!

